

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 025-10100-0001

County Clarke

ORIGINAL

C NW SW Sec. 2 Twp. 34 Rge. 21 E

1980 Feet from S (circle one) Line of Section

660 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Harper Ranch Well # 5

Field Name Harper Ranch

Producing Formation Morrow

Elevation: Ground 1852 KB 8

Total Depth 5518 PBDT 5481

Amount of Surface Pipe Set and Cemented at 559 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Re-work, 4-7-00 U.C.
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume N/A bbls

Dewatering method used N/A

Location of fluid disposal if hauled offsite: _____

Operator Name N/A

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 03688

Name: 4-D Petroleum Consultants LLC

Address 40351 NE 50th Ave

City/State/Zip Preston, KS 67583

Purchaser: Plains Marketing

Operator Contact Person: Richard Armer

Phone (316-656-4934 or 316-546-3004)

Contractor: Name: _____

License: _____

Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover

Oil SUD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:
 Operator: 4-D Petroleum Consultants, LLC
 Well Name: Harper Ranch #5
 Comp. Date 10-8-55 Old Total Depth 5490'

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBDT
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) Docket No. E-19-516

—Orig. 10/55 _____ 3-01-2000
 Spud Date _____ Date Reached TD _____ Completion Date _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]

Title Pres Date 4/5/2002

Subscribed and sworn to before me this 5th day of April

Notary Public [Signature]

Date Commission Expires April 20-2002

K-C-C. OFFICE USE ONLY

F _____ Letter of Confidentiality Attached

C _____ Wireline Log Received

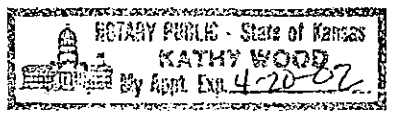
C _____ Geologist Report Received

Distribution

_____ KCC _____ SUD/Rep _____ NGPA

_____ KGS _____ Plug _____ Other (Specify)

Form ACO-1 (7-91)



RECEIVED
STATE CORPORATION COMMISSION

APR 6 2000

CONSERVATION DIVISION
Wichita, Kansas

X

Operator Name — 4-D Petroleum Consultants LLC

Lease Name — Harper Ranch

Well No. — 6

Sec. 2 — Twp. — 34 — Rge. 21 — East West

County — Clarke

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken ? Yes No (Attach Additional Sheets.)
Samples Sent to Geological Survey ? Yes No
Cores Taken ? Yes No
Electric Log Run (Submit Copy.) ? Yes No
List All E-Logs Run: NONE ON FILE TO MY KNOWLEDGE

Log Formation (Top), Depth and Datum
Name Top Datum
Lansing (scout) 451b
Marmaton 510b
Cherokee 52b5
Morrow 53b6
Base Morrow (scout) 543b
Miss. Lime 550a

CASING RECORD
Report all strings set-conductor, surface, intermediate, production, etc.
Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives
Conductor | NA | 1b | NA | 82 | NA | 130 | NA
Surface | NA | 8.625 | NA | 559 | NA | 325 | NA
PRODUCTION | NA | 5.500 | NA | 5515 | NA | 325 | NA

ADDITIONAL CEMENTING/SQUEEZE RECORD
Purpose: Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives
Perforate
Protect Casing
Plug Back TD
Plug Off Zone

PERFORATION RECORD - Bridge Plugs Set/Type
Shots Per Foot | Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth
4 | 5442-545b | NA

TUBING RECORD 2.375 Size 5379 Set At 5371.88Packer At Liner Run Yes No
Date of First, Resumed Production, SWD or Inj. | Producing Method Flowing Pumping Gas Lift Other (Explain)
NA
Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, submit ACO-18.) Other (Specify)

RECEIVED STATE CORPORATION COMMISSION

APR 6 2000

CONSERVATION DIVISION Wichita, Kansas

WELL LOG BUREAU - KANSAS GEOLOGICAL SOCIETY
508 East N. Dock, Wichita, Kansas

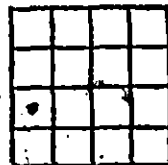
ORIGINAL
COPY

Company- PURE OIL COMPANY
Farm- J. C. Harper "A" No. 5

SEC. 2 T. 34 R. 21W
C NW SW
1980' N of S L
660' E of W L of SW/4
County Clark

KANSAS

Total Depth. 5518' PB 5481'
Comm. 9-14-55 Comp. 10-8-55
Shot or Treated.
Contractor. Unit Drlg. Co.
Issued. 11-8-58



Elevation. 1860 DF

Production. 1427 BOPD BOMB BOT

CASING:

16" 82' w/130' sx. cem.
8 5/8" 559' w/325' sx. cem.
5 1/2" 5515' w/325' sx. cem.

Figures Indicate Bottom of Formations.

red beds	85
red beds & sand	165
shale & shells	565
shale	766
shale, red beds & salt	1386
shale and shells	1560
Anhydrite and shale	2066
Anhydrite	2470
lime and shale	3989
shale	4101
lime and shale	4542
lime	4649
lime and shale	4835
lime	4920
lime and shale	5015
lime	5045
lime and shale	5100
limestone, crystalline, slightly sandy and oolitic	5126
shale, w/limestone, crystalline dense	5160
limestone, gray-tan hard, slightly sandy to dense	5200
shale, gray	5214
limestone, sandy, slightly oolitic w/trace pyrite & chert	5243
shale, limestone, sandy	5265
shale, thin limestone, crystalline dense w/trace chert	5386
shale	5394
limestone, crystalline, w/trace chalk & shale, green-gray	5406
sand, fine grained, glauconitic, hard tight, w/thin carbonaceous partings. (See core Record starting at 5422)	5422
shale, gray green slightly sandy to black pyritic	5431
sand, fine grained, white-gray-green hard tight to poor por. & perm., light stain to good odor & fluorescence	5437
sand, fine-med-coarse grained, poor to fair to good por. & perm., None to good odor & fluorescence, none to	

GUN PERFORATING RECORD

10-12-55, casing 5 1/2" from 5442-5456 - 32
size shot 5/8" (w/lex) No shots; 56.

TOPS: GEOLOGICAL

Lansing (Scout)	4516
Marmaton (Scout)	5106
Cherokee	5265
Morrow	5386
Base Morrow (Scout)	5436
Mississippi Lime	5508

Volcanics

FOC = 5515' - 2360' = 3145'

ORIGINAL

PURE OIL COMPANY

#5

J C HARPER 'A'

2-34-21W

C NW SW OK

Contr. Unit Drdg

CLARK

County

E. 1875

Comm.

Comp. 1

-25-55

IP

1127 BOPD

BOMB POT

Log news from 1875

Tops	Depth	Datum
LANS	4516	-2641
MARM	5106	-3231
CHERO	5264	-3389
MOR	5386	-3511
B/MOR	5436	-3561 OK
MISS	5505	-3630
PBTD	5481	
TD	5518	-3643

Casing

16" 83 BOSKS

8" 559 8 7/8 w/ 325 SKS

5" 5490 3 1/2

5 1/2 @ 5515 w/ 325 SKS

CO 5481: 56/5442-56

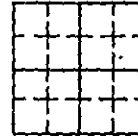
5486

FLO 471 BO/16 HR

-1875

B? -3568

HARPER RANCH POOL



INDEPENDENT OIL & GAS SERVICE
WICHITA, KANSAS

RECEIVED
STATE CORPORATION COMMISSION

MAR 13 2000

CONSERVATION DIVISION
Wichita, Kansas